

FIG. 1

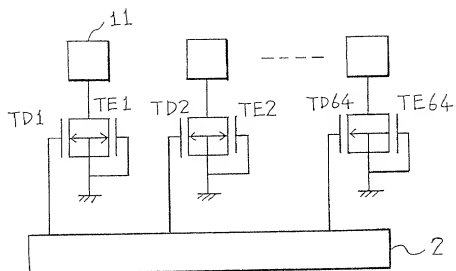


FIG. 2  
PRIOR ART

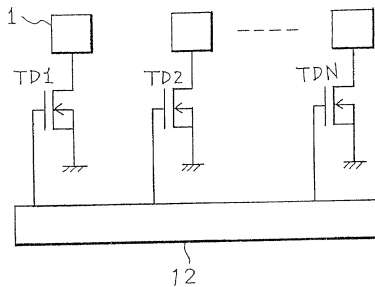


FIG. 3  
PRIOR ART

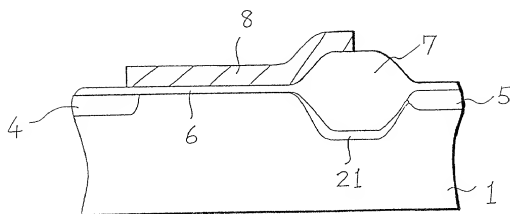


FIG. 4  
PRIOR ART

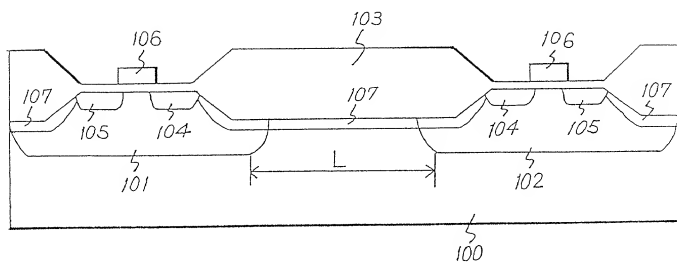


FIG. 5

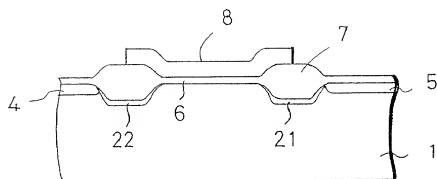


FIG. 6

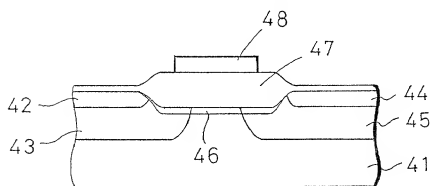


FIG. 7

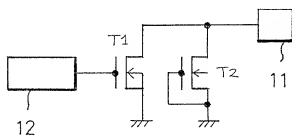


FIG. 8

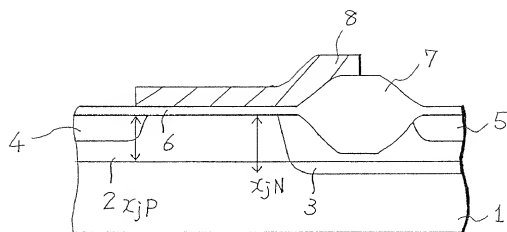


FIG. 9

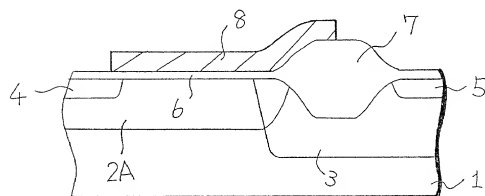


FIG. 10

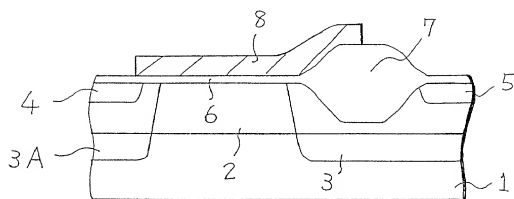


FIG. 11

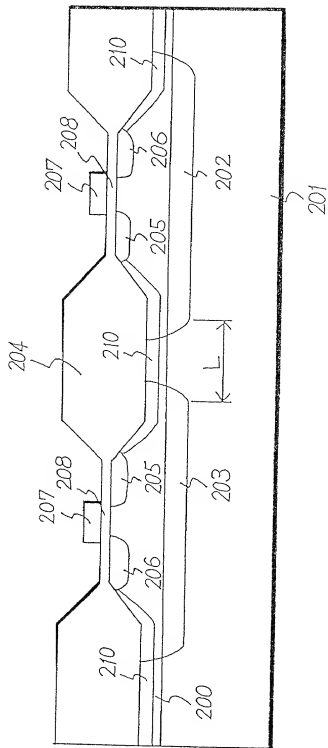


FIG. 12

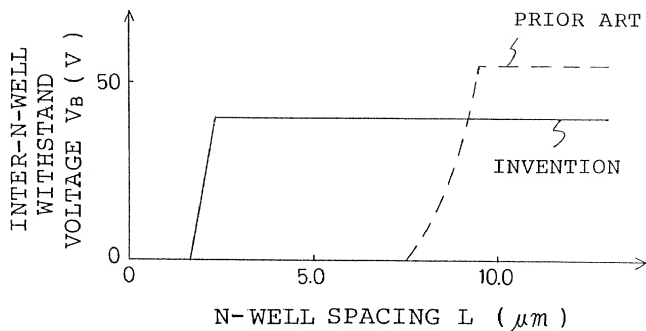


FIG. 13

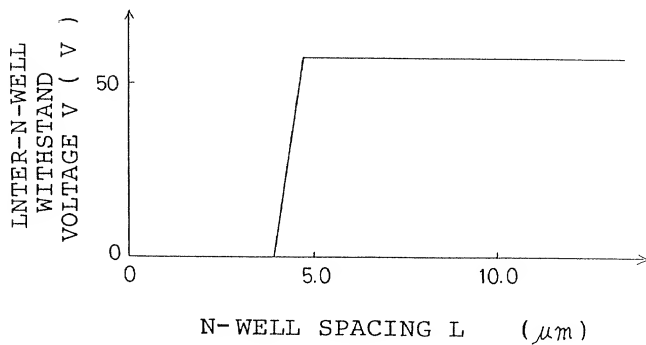


FIG. 14

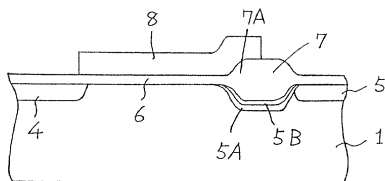
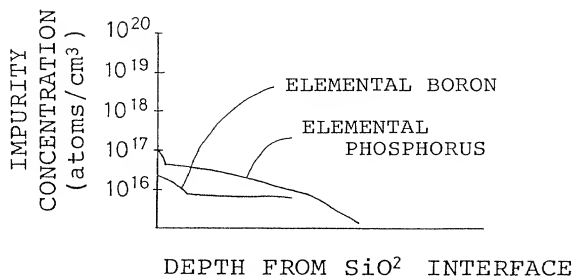


FIG. 15



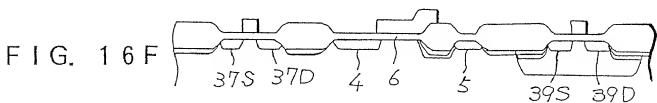
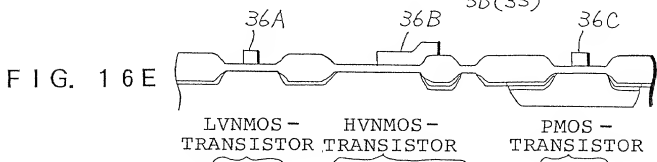
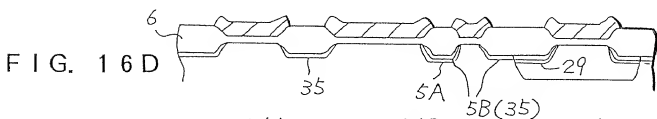
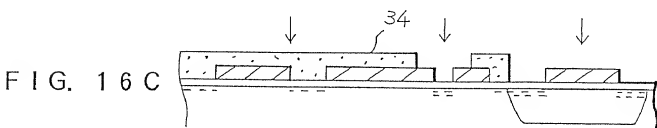
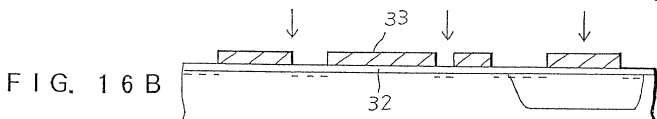
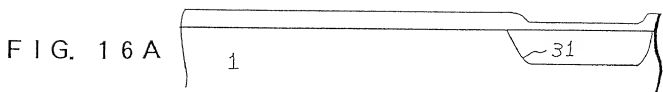




FIG. 17

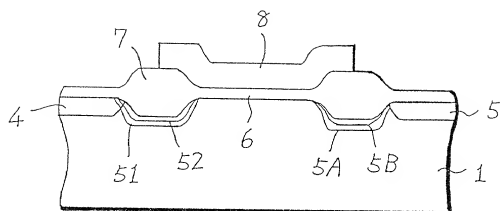


FIG. 18

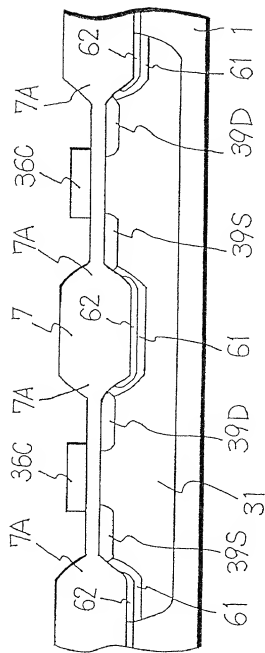


FIG. 19

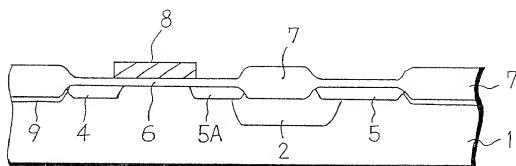


FIG. 20

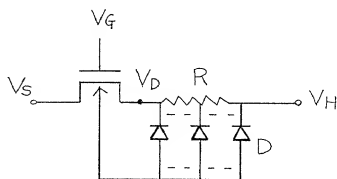


FIG. 21

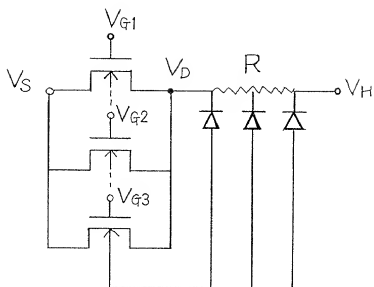


FIG. 22

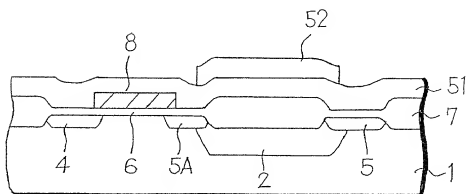


FIG. 23

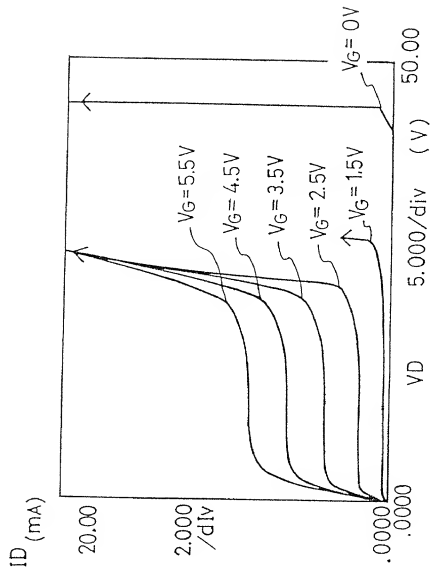


FIG. 24

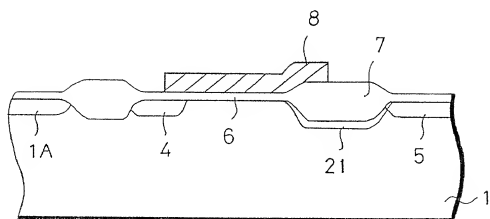


FIG. 25

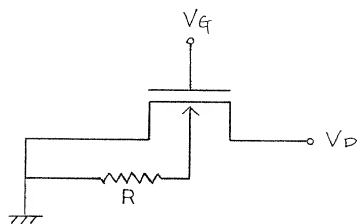


FIG. 26

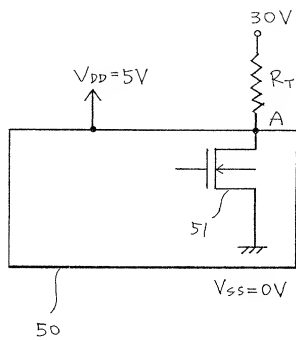


FIG. 27A

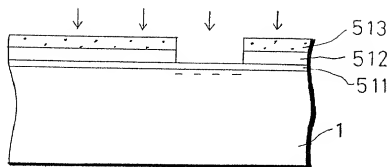


FIG. 27B

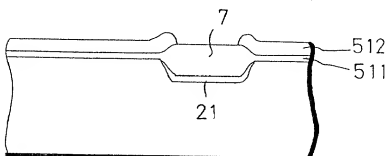


FIG. 27C

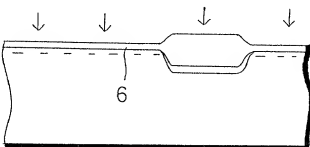


FIG. 27D

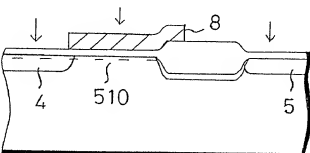




FIG. 28

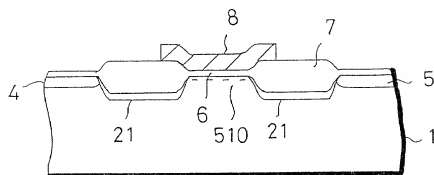


FIG. 29

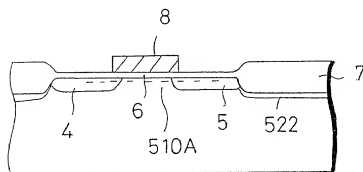
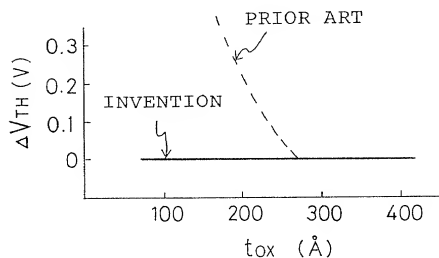


FIG. 30



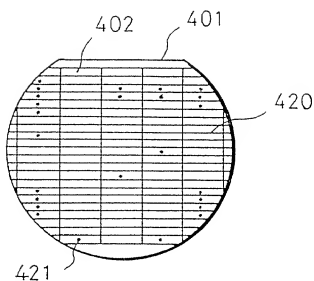


FIG. 31A

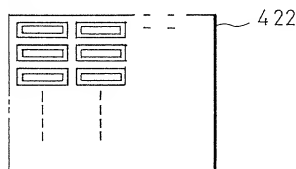


FIG. 31B

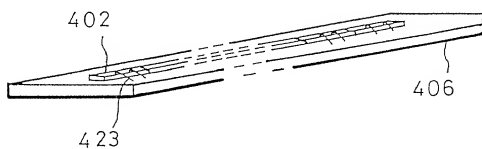


FIG. 31C

FIG. 32

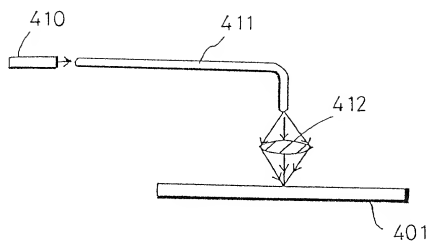


FIG. 33

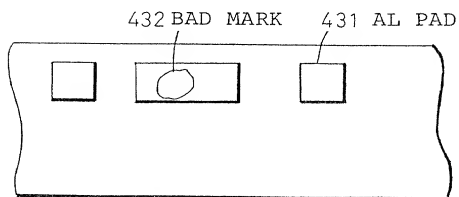




FIG. 35

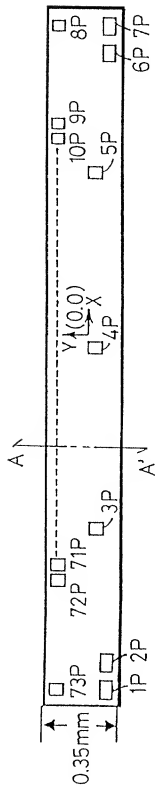


FIG. 36

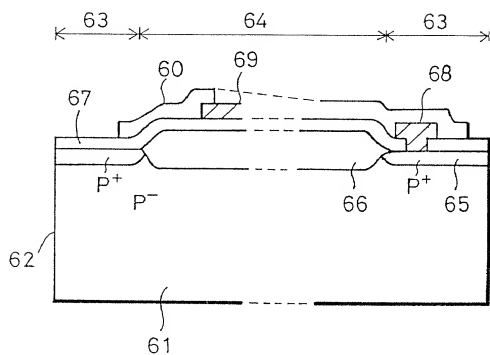


FIG. 37

| Pad No.  | Pad Name | Function  |
|----------|----------|---|
| 1P       | CLK      | Clock input terminal of 64-bit shift register   |
| 2P       | LCHK     | Data latch signal input terminal<br>LCHX = "L" : Read shift register data<br>LCHX = "H" : Latch immediately preceding data        |
| 3P,4P,5P | GND      | GND terminals (0V)  |
| 6P       | VDD      | Logical circuitry positive power supply terminal (+5V)  |
| 7P       | STBX     | Driver strobe input terminal.<br>Latched data output to driver at "L" input<br>(Internal pullup resistance $R_P=300K\Omega$ TYP.) |
| 8P       | SO       | 64-bit shift register serial data output terminal   |
| 9P-72P   | DO1-DO64 | Driver output terminal (Nch open drain output)  |
| 73P      | SI       | 64-bit shift register serial data input terminal  |